Index to Volume 96, 1997

Articles by Author

Archer, J. Clark, Fred M. Shelley, and Jonathan I. Leib. *The Perceived Geopolitical Importance of the Countries of the World: An Analytical and Pedagogical Investigation.* 2:76.

Audet, Richard H. and Joshua Paris. *GIS Implementation Model for Schools: Assessing the Critical Concerns.* 6:2923

Brady, Scott. *Some Ideas for Teaching the Home State Geography Course.* 5:264.

Cross, John A. *Natural Hazards and Disaster Information on the Internet.* 6:307.

Chiodo, John J. *Improving the Cognitive Development of Students' Mental Maps of the World.* 3:153.

Cope, Meghan. *Participation, Power, and Policy: Developing and Gender-Sensitive Political Geography.* 2:91.

Crump, Jeff. *Teaching the Political Geography of Poverty.* 2:98.

Davidson, Fiona M. *Integration and Disintegration: A Political Geography of the European Union.* 2:69.

Drake, Christine. *Water Resource Conflict in the Middle East.* 1:5.

Elbow, Gary S. *Regional Cooperation in the Caribbean: The Association of Caribbean States.* 1:13.

Gersmehl, Philip J. *Putting Information in Perspective: A Mapping Activity to Help Students Understand the California Dilemma.* 5:235.

Gregg, fcJ, Madeleine. *Problem Posing for Maps: Utilizing Understanding:* 5:250.

Gregg, fcJ, Madeleine. *Seven Journeys to Map Symbols: Multiple Intelligences Applied to Map Learning.* 3:146.

Harbeck, Richard. *Field Studies of Human Systems: A Cooperative Learning Field Investigation.* 4:211.

Haverluk, Terrence W. *The Changing Geography of U.S. Hispanics, 1850-1990.* 3:134.

Hurt, Dougals A. *Main Street: Teaching Elementary School Studnets Standards-Based Urban Geography.* 6:280.

Jackson, Nancy L., Maureen Lally Cerrato, and Norbert Elliot. *Geography and Fieldwork at the Secondary School Level: An Investigation of the Anthropogenic Litter on an Estuarine Shoreline.* 6:301.

Jones, Douglas Deane. *The Geography for Life Standards and American Political Geography.* 2: 55.

Keeler, Christy. *Beyond the Family Geography Challenge.* 4:216.

Kellerman, Aharon. *Transititions in the Meanings of Frontiers: From Settlement Advance to Regional Development.* 5:230.

Kirman, Joseph M. *A Teacher's Introduction To Remote Sensing.* 3:171.

Linn, Sophia Emmanouilides. *The Effectiveness of Interactive Maps in the Classroom: A Selected Example in Studying Africa.* 3:164.

McKay, Ian A. and Helen E. Parson. *The Impact of Farm Lot Shape on Patterns in the Rural Landscape.* 6:284.

Merrett, Christopher D. *Nation-States in Continental Markets: The Political Geography of Free Trade.* 2:105.

Merrett, Christopher D. *Research and Teaching in Political Geography: National Standards and the Resurgence of Geography's "Wayward Child."* 2:50.

Ostapuk, Michael A. The Dragon and the Anchor: *Using a Field Experience, Journaling, and Writing to Teach the Five Geographic Skills Sets.* 4:196.

Payne, Harris and Susan Gay. *Exploring Cultural Universals.* 4:220.

Raubal, Martin, Bernhard Gaupmann, and Werner Kuhn: *Teaching Raster GIS Operations with Spreadsheets.* 5:258.

Sommers, Brian J. *The Freshman Year Experience and Geography: Linking Student Retention and the Introductory Geography Curriculum.* 5:243.

Steinberg, Phillip E. *Political Geography and Environment.* 2:113.

Straussfogel, Debra. *A Systems Perspective on World Systems Theory.* 2:119.

VanDeVort, Jeanine. *Our Town's Planning Commission Meeting.* 4:183.

Warf, Barney. *Teaching Political Economy and the Social Theory in Human Geography.* 2:84.

Webster, Gerald R. *Geography and the Decennial Task of Redistricting.* 2:61.

Wikle, Thomas E. and Dale R. Lightfoot. *The Stream Table in Physical Geography Instruction.* 1:23.

Zeigler, Donald J. *Morocco and California: Comparing Environment and Society.* 4:191.

Articles by Subject and Title

College Geography

A Systems Perspective on World-Systems Theory. Debra Straussfogal. 2:119.

Geography and the Decennial Task of Redistricting. Gerald R. Webster. 2:61.

Integration and Disintegration: A Political Geography of the European Union. Fiona M. Davidson. 2:69.

Nation-States in Continental Market: The Political Geography of Free Trade. Christopher D. Merret. 2:105.

Natural Hazards and Disaster Information on the Internet. John A. Cross. 6:307..

Participation, Power, and Policy: Developing a Gender-Sensitive Political Geography. Meghan Cope. 2:91.

Index to Volume 96, 1997

Articles by Author

Archer, J. Clark, Fred M. Shelley, and Jonathan I. Leib. *The Perceived Geopolitical Importance of the Countries of the World: An Analytical and Pedagogical Investigation.* 2:76.

Audet, Richard H. and Joshua Paris. *GIS Implementation Model for Schools: Assessing the Critical Concerns.* 6:2923

Brady, Scott. *Some Ideas for Teaching the Home State Geography Course.* 5:264.

Cross, John A. *Natural Hazards and Disaster Information on the Internet.* 6:307.

Chiodo, John J. *Improving the Cognitive Development of Students' Mental Maps of the World.* 3:153.

Cope, Meghan. *Participation, Power, and Policy: Developing and Gender-Sensitive Political Geography.* 2:91.

Crump, Jeff. *Teaching the Political Geography of Poverty.* 2:98.

Davidson, Fiona M. *Integration and Disintegration: A Political Geography of the European Union.* 2:69.

Drake, Christine. *Water Resource Conflict in the Middle East.* 1:5.

Elbow, Gary S. *Regional Cooperation in the Caribbean: The Association of Caribbean States.* 1:13.

Gersmehl, Philip J. *Putting Information in Perspective: A Mapping Activity to Help Students Understand the California Dilemma.* 5:235.

Gregg, fcJ, Madeleine. *Problem Posing for Maps: Utilizing Understanding:* 5:250.

Gregg, fcJ, Madeleine. *Seven Journeys to Map Symbols: Multiple Intelligences Applied to Map Learning.* 3:146.

Harbeck, Richard. *Field Studies of Human Systems: A Cooperative Learning Field Investigation.* 4:211.

Haverluk, Terrence W. *The Changing Geography of U.S. Hispanics, 1850-1990.* 3:134.

Hurt, Dougals A. *Main Street: Teaching Elementary School Studnets Standards-Based Urban Geography.* 6:280.

Jackson, Nancy L., Maureen Lally Cerrato, and Norbert Elliot. *Geography and Fieldwork at the Secondary School Level: An Investigation of the Anthropogenic Litter on an Estuarine Shoreline.* 6:301.

Jones, Douglas Deane. *The Geography for Life Standards and American Political Geography.* 2: 55.

Keeler, Christy. *Beyond the Family Geography Challenge.* 4:216.

Kellerman, Aharon. *Transititions in the Meanings of Frontiers: From Settlement Advance to Regional Development.* 5:230.

Kirman, Joseph M. *A Teacher's Introduction To Remote Sensing.* 3:171.

Linn, Sophia Emmanouilides. *The Effectiveness of Interactive Maps in the Classroom: A Selected Example in Studying Africa.* 3:164.

McKay, Ian A. and Helen E. Parson. *The Impact of Farm Lot Shape on Patterns in the Rural Landscape.* 6:284.

Merrett, Christopher D. *Nation-States in Continental Markets: The Political Geography of Free Trade.* 2:105.

Merrett, Christopher D. *Research and Teaching in Political Geography: National Standards and the Resurgence of Geography's "Wayward Child."* 2:50.

Ostapuk, Michael A. The Dragon and the Anchor: *Using a Field Experience, Journaling, and Writing to Teach the Five Geographic Skills Sets.* 4:196.

Payne, Harris and Susan Gay. *Exploring Cultural Universals.* 4:220.

Raubal, Martin, Bernhard Gaupmann, and Werner Kuhn: *Teaching Raster GIS Operations with Spreadsheets.* 5:258.

Sommers, Brian J. *The Freshman Year Experience and Geography: Linking Student Retention and the Introductory Geography Curriculum.* 5:243.

Steinberg, Phillip E. *Political Geography and Environment.* 2:113.

Straussfogel, Debra. *A Systems Perspective on World Systems Theory.* 2:119.

VanDeVort, Jeanine. *Our Town's Planning Commission Meeting.* 4:183.

Warf, Barney. *Teaching Political Economy and the Social Theory in Human Geography.* 2:84.

Webster, Gerald R. *Geography and the Decennial Task of Redistricting.* 2:61.

Wikle, Thomas E. and Dale R. Lightfoot. *The Stream Table in Physical Geography Instruction.* 1:23.

Zeigler, Donald J. *Morocco and California: Comparing Environment and Society.* 4:191.

Articles by Subject and Title

College Geography

A Systems Perspective on World-Systems Theory. Debra Straussfogal. 2:119.

Geography and the Decennial Task of Redistricting. Gerald R. Webster. 2:61.

Integration and Disintegration: A Political Geography of the European Union. Fiona M. Davidson. 2:69.

Nation-States in Continental Market: The Political Geography of Free Trade. Christopher D. Merret. 2:105.

Natural Hazards and Disaster Information on the Internet. John A. Cross. 6:307..

Participation, Power, and Policy: Developing a Gender-Sensitive Political Geography. Meghan Cope. 2:91.

Political Geography and the Environment. Phillip E. Steinberg. 2:113.
Putting Information in Perspective: A Mapping Activity to Help Students Understand the California Dilemma. Philip J. Gersmehl. 5:235.
Regional Cooperation in the Caribbean: The Association of Caribbean States. Gary S. Elbow. 1:13.
Some Ideas for Teaching the Home State Geography Course: Scott Brady. 5:264.
Teaching Political Economy and Social Theory in Human Geography. Barney Warf. 2:84.
Teaching Raster GIS Operations with Spreadsheets: Martin Raubal, Bernhard Gaupmann, and Werner Kuhn. 5:258.
Teaching the Political Geography of Poverty. Jeff Crump. 2:98.
The Changing Geography of U.S. Hispanics, 1850-1990. Terrence W. Haverluk. 3:134.
The Perceived Geopolitical Importance of the Countries of the World: An Analytical and Pedagogical Investigation. J. Clark Archer, Fred M. Shelley, and Jonathan I. Leib. 2:76.
The Freshman Year Experience and Geography: Linking Student Retention and the Introductory Geography Curriculum. Brian J. Sommers. 5:243.
The Impact of Farm Lot Shape on Patterns in the Rural Landscape. Ian A. McKay and Helen E. Parson. 6:284.
The Stream Table in Physical Geography Instruction. Thomas A. Wilke and Dale R. Lightfoot. 1:23.
Transitions in the Meanings of Frontiers: From Settlement Advance to Regional Development. Aharon Kellerman. 5:230.
Water Resource Conflict in the Middle East. Christine Drake. 1:5.

School Geography

A Teacher's Introduction To Remote Sensing. Joseph M. Kirman. 3:171.
Beyond the Family Geography Challenge. Christy Keeler. 4:216.
Exploring Cultural Universals. Harris Payne and Susan Gay. 4:220.
Field Studies of Human Systems: A Cooperative Learning Field Investigation. Richard Harbeck. 4:211.
Geography and Fieldwork at the Secondard School Level: An Investigation of Anthropogenic Litter on an Estuarine Shoreline. Nancy L. Jackson, Maureen Lally Cerrato, and Norbert Elliot. 6:301.
GIS Implementation Model for Schools: Assessing the Critical Concerns. Richard H. Audet and Joshua Paris. 6:293.
Improving the Cognitive Development of Students' Mental Maps of the World. John J. Chiodo. 3: 153.
Main Street: Teaching Elementary School Students Standards-Based Urban Geography. Douglas A. Hurt. 6:280.
Morocco and California: Comparing Environment and Society. Donald J. Zeigler. 4:191.
Our Town's Planning Commission Meeting. Jeanine VanDeVort. 4:183.
Problem Posing for Maps: Utilizing Understanding. Madeleine Gregg, fcJ. 5:250.
Putting Information in Perspective: A Mapping Activity to Help Students Understand the California Dilemma. Philip J. Gersmehl. 5:235.
Research and Teaching in Political Geography: National Standards and the Resurgence of Geography's "Wayward Child." Christopher D. Merrett. 2:50.
Seven Journeys to Map Symbols: Multiple Intelligences Applied to Map Learning. Madeleine Gregg, fcJ. 3:146.
The Dragon and the Anchor: *Using a Field Experience, Journaling, and Writing to Teach the Five Geographic Skills Sets.* Michael A. Ostapuk. 4:196.
The Effectiveness of Interactive Maps in the Classroom: A Selected Example in Studying Africa. Sophia Emmanouilides Linn. 3:164.
The Geography for Life Standards and American Political Geography. Douglas Deane Jones. 2:55.

Reviews

Aryteetey-Attoh. *Geography of Sub-Saharan Africa.* 5:268.
Ashley, Bob. *Rivers: Curriculum Guide.* 6:317.
Banister, David, Roberta Capello, and Peter Nijkamp, eds. *European Transport and Communications Networks: Policy Evolution and Change.* 6:315.
Collett, Jonathan, and Stephen Karakashian, eds. *Greening the College Curriculum: A Guide to Environmental Teaching in the Liberal Arts.* 2:127.
Colton, Craig E. and Peter N. Skinner. *The Road to Love Canal: Managing Industrial Waste Before EPA.* 4:224.
Gayler, Hugh J. *Geographical Excursions in London.* 6:316.
Hanson, Susan, ed. *Ten Geographic Ideas that Changed the World:* 5:269.
McElfresh, Earl B. *A Civil War Watercolor Map Series:* 5:271.
Miller, E. Willard, ed. *A Geography of Pennsylvania.* 1:46.
Monmonier, Mark. *How to Lie with Maps.* 5:272.
Pile, Steve and Nigel Thrift, eds. *Mapping the Subject: Geographies of Cultural Transformation.* 1:42.
Pillsbury, Richard, and John Florin. *Atlas of American Agriculture: The American Cornucopia.* 3:177.
Platt, Rutherford. *Land Use and Society: Geography, Law, and Public Policy.* 5:272.
Webb, Robert H. *A Century of Change: Rephotography of the 1889-1890 Stanton Expedition.* 5:270.
Yeltman, David. *Sonora: An Intimate Geography.* 1:45.
Zinser, Charles I. *Outdoor Recreation: United States National Parks, Forests, and Public Lands.* 4:225.

IGU International Charter

International Charter on Georgraphical Education. Commission on Geographical Education and the International Geographical Union. 1:33.
The International Charter on Geographical Education: Setting the Curriculum Standard. Joseph P. Stoltman. 1:32.

Presidential Address

James F.Marran. 1:2.

Editorials

Salter, Kit and Cathy Salter. *The Wonder of Geography.* 4:182.

Bednarz, Robert. *A Decade of Progress in Geographic Education.* 6:278.

George J. Miller Award

Ruth I. Shirey, recipient. 1:40.

Media Materials Editor's Choice

The New Comparative World Atlas. 4:226.

UNITED STATES POSTAL SERVICE™ — **Statement of Ownership, Management, and Circulation** *(Required by 39 USC 3685)*

1. Publication Title	2. Publication Number	3. Filing Date
Journal of Geography	0 0 2 2 - 1 3 4 1	9-22-97
4. Issue Frequency	5. Number of Issues Published Annually	6. Annual Subscription Price
Bi-Monthly	6	$60

7. Complete Mailing Address of Known Office of Publication *(Not printer) (Street, city, county, state, and ZIP+4)*
National Council for Geographic Education
16A Leonard Hall, Indiana University of Pennsylvania
Indiana, PA 15705
Contact Person: Constance McCardle
Telephone: 412-357-6290

8. Complete Mailing Address of Headquarters or General Business Office of Publisher *(Not printer)*
Same as #7

9. Full Names and Complete Mailing Addresses of Publisher, Editor, and Managing Editor *(Do not leave blank)*

Publisher *(Name and complete mailing address)*
National Council for Geographic Education
16A Leonard Hall, Indiana University of Pennsylvania
Indiana, PA 15705

Editor *(Name and complete mailing address)*
Dr. Robert Bednarz
Department of Geography, Texas A & M University
College Station, TX 77843

Managing Editor *(Name and complete mailing address)*
N/A

10. Owner *(Do not leave blank. If the publication is owned by a corporation, give the name and address of the corporation immediately followed by the names and addresses of all stockholders owning or holding 1 percent or more of the total amount of stock. If not owned by a corporation, give the names and addresses of the individual owners. If owned by a partnership or other unincorporated firm, give its name and address as well as those of each individual owner. If the publication is published by a nonprofit organization, give its name and address.)*

Full Name	Complete Mailing Address
National Council for Geographic Education	16A Leonard Hall, IUP, Indiana, PA 15705

11. Known Bondholders, Mortgagees, and Other Security Holders Owning or Holding 1 Percent or More of Total Amount of Bonds, Mortgages, or Other Securities. If none, check box → ☒ None

Full Name	Complete Mailing Address

12. Tax Status *(For completion by nonprofit organizations authorized to mail at special rates) (Check one)*
The purpose, function, and nonprofit status of this organization and the exempt status for federal income tax purposes:
☒ Has Not Changed During Preceding 12 Months
☐ Has Changed During Preceding 12 Months *(Publisher must submit explanation of change with this statement)*

PS Form **3526,** September 1995 *(See Instructions on Reverse)*

13. Publication Title: Journal Of Geography	14. Issue Date for Circulation Data Below: July/August 1997	
15. Extent and Nature of Circulation	Average No. Copies Each Issue During Preceding 12 Months	Actual No. Copies of Single Issue Published Nearest to Filing Date
a. Total Number of Copies *(Net press run)*	4492	4845
b. Paid and/or Requested Circulation (1) Sales Through Dealers and Carriers, Street Vendors, and Counter Sales *(Not mailed)*	0	0
b. Paid and/or Requested Circulation (2) Paid or Requested Mail Subscriptions *(Include advertiser's proof copies and exchange copies)*	3838	3909
c. Total Paid and/or Requested Circulation *(Sum of 15b(1) and 15b(2))* ▶	3838	3909
d. Free Distribution by Mail *(Samples, complimentary, and other free)*	200	200
e. Free Distribution Outside the Mail *(Carriers or other means)*	142	165
f. Total Free Distribution *(Sum of 15d and 15e)* ▶	342	365
g. Total Distribution *(Sum of 15c and 15f)* ▶	4180	4274
h. Copies not Distributed (1) Office Use, Leftovers, Spoiled	312	571
h. Copies not Distributed (2) Returns from News Agents	0	0
i. Total *(Sum of 15g, 15h(1), and 15h(2))* ▶	4492	4845
Percent Paid and/or Requested Circulation *(15c / 15g x 100)*	92%	92%

16. Publication of Statement of Ownership
☒ Publication required. Will be printed in the Nov/Dec issue of this publication.
☐ Publication not required.

17. Signature and Title of Editor, Publisher, Business Manager, or Owner: Executive Director — Date: 9-22-97

I certify that all information furnished on this form is true and complete. I understand that anyone who furnishes false or misleading information on this form or who omits material or information requested on the form may be subject to criminal sanctions (including fines and imprisonment) and/or civil sanctions (including multiple damages and civil penalties).

Instructions to Publishers

1. Complete and file one copy of this form with your postmaster annually on or before October 1. Keep a copy of the completed form for your records.
2. In cases where the stockholder or security holder is a trustee, include in items 10 and 11 the name of the person or corporation for whom the trustee is acting. Also include the names and addresses of individuals who are stockholders who own or hold 1 percent or more of the total amount of bonds, mortgages, or other securities of the publishing corporation. In item 11, if none, check the box. Use blank sheets if more space is required.
3. Be sure to furnish all circulation information called for in item 15. Free circulation must be shown in items 15d, e, and f.
4. If the publication had second-class authorization as a general or requester publication, this Statement of Ownership, Management, and Circulation must be published; it must be printed in any issue in October or, if the publication is not published during October, the first issue printed after October.
5. In item 16, indicate the date of the issue in which this Statement of Ownership will be published.
6. Item 17 must be signed.

Failure to file or publish a statement of ownership may lead to suspension of second-class authorization.

PS Form **3526,** September 1995 *(Reverse)*